



1. A loudspeaker magnetic motor comprising  
a voice coil  
the voice coil comprising two or more wire coils,  
the wire coils being connected in parallel and being layered on top of one another.

2. A loudspeaker magnetic motor according to claim 1, wherein at least one of the coils comprises a conductor having a round cross-section.

✓ 3. A loudspeaker magnetic motor according to claim 2, wherein the coils comprise wires having round cross-sections.

4. A loudspeaker magnetic motor according to claim 2, in which

a first wire coil is disposed about a support, and

a second wire coil is disposed about the first coil.

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USING  
Bobbin's is  
well known  
in art as  
coil support

5. A loudspeaker magnetic motor according to claim 1, comprising a magnetic field source.

R126 ✓ 6. A loudspeaker magnetic motor according to claim 5, wherein the magnetic field source is a permanent magnet. *Well known*

(101)

7. A loudspeaker magnetic motor according to claim 7, wherein the magnetic field source comprises a rare earth metal. *Well known in art*

8. A loudspeaker magnetic motor according to claim 8, wherein the magnetic field source comprises neodymium. *well known*

9. A loudspeaker magnetic motor according to claim 9, wherein the magnetic field source comprises a neodymium boron iron magnet. *well known*

10. A loudspeaker magnetic motor according to claim 10, wherein the neodymium boron iron magnet has a cylindrical cross-section. *C2, ln 20*

11. A loudspeaker comprising

a voice coil

the voice coil comprising two or more wire coils,

the wire coils being connected in parallel and being layered on top of one another.

12. A loudspeaker according to claim 11, wherein at least one of the coils comprises a conductor having a round cross-section.

13. A loudspeaker according to claim 12, wherein the coils comprise wires having round cross-sections.

14. A loudspeaker according to claim 13, in which

a first wire coil is disposed about a support, and

a second wire coil is disposed about the first coil.

15 16. A loudspeaker according to claim 12, comprising a magnetic field source.

16 17. A loudspeaker according to claim 16, wherein the magnetic field source is a permanent magnet.

17 18. A loudspeaker according to claim 18, wherein the magnetic field source comprises a rare earth metal.

18 19. A loudspeaker according to claim 19, wherein the magnetic field source comprises neodymium.

19 20. A loudspeaker according to claim 20, wherein the magnetic field source comprises a neodymium boron iron magnet.

20 21. A loudspeaker according to claim 21, wherein the neodymium boron iron magnet has a cylindrical cross-section.